EPA Official Record

Notes ID: 527EBCADE92FC14085257AF500583078

From: "Sheehan, Anne" <Anne.Sheehan@geotransinc.com>

To: Joe Lemay/R1/USEPA/US@EPA

Copy To: "dsullivan@trcsolutions.com" <dsullivan@trcsolutions.com>; "Bridge; Jay" <Jay.Bridge@geotransinc.com>; "'John H. Guswa Ph. D. LSP (jguswa@jgenvironmental.com)'" <jguswa@jgenvironmental.com>; "joseph.coyne@state.ma.us" <joseph.coyne@state.ma.us>; "'Clayton Smith (csmith@demaximis.com)'" <csmith@demaximis.com>; "tcosgrave@harvardprojects.com" <tcosgrave@harvardprojects.com>

Delivered Date: 09/08/2010 02:28 PM EDT

Subject: RE: Well Integrity Testing Summary - Wells G&H Site

ATTACHMENT: Logs_Forms.pdf
In response to your email dated 8/5/10 we have attached the available requested information for UC32-UC36 and UC16, UC17 and UC20. The information attached includes:

1) a table summarizing the well construction of UC32 through UC36 as well as the depth to bottom measured during the well integrity testing this spring
2) boring logs for UC32-UC36
3) well integrity testing forms for UC32-UC36
4) Well integrity testing forms for UC16, UC17 and UC20
5) Boring logs for UC16, UC17 and UC20

As indicated in our letter dated July 16, 2010, wells UC32, UC34, UC35, and UC36 were dry during the recent VI Assessment sampling round. Well UC33 had sufficient water for integrity testing in May, but the water level in August was not sufficient for sampling. The area near UC32 through UC36 has been and remains dewatered by pumping from recovery well UC22 (see Figure 2-15 of the Summary of Unconsolidated-Deposits Investigations at the UniFirst Property, Woburn, Massachusetts report [Applied Groundwater Research, Ltd. and Environmental Project Control, Inc., 1994] also included in Appendix A of the Indoor Air Quality and Vapor Intrusion Assessment Scope of Work Revision 2 [The Johnson Company, 2010]). During the recent VI Assessment sampling round, shallow groundwater samples were collected from water table wells UC8 and UC5, located adjacent to wells UC32 through UC36. As indicated in our letter dated July 16, 2010, if wells UC32 through UC36 are found to contain water prior to the second VI Assessment sampling round, integrity testing will be performed and their usability for sampling during the second round will be assessed.

Water levels from shallow bedrock wells UC16, UC17, and UC20 did not recover 50% within 48 hours during integrity testing and thus did not meet the recovery criteria set for sample collection during the VI Assessment sampling event. We do not have hydraulic conductivity information for UC16, UC17 and UC20; however, the attached boring log for UC16 shows a notation of "negligible water return" during installation and the attached boring log for UC20 shows a

notation of "<< 1 gpm produced" during installation. Thus, recent integrity testing results for these wells are consistent with their response during installation in 1987 and do not indicate fouling issues. We do not believe that further development will increase the yield or recovery times of these wells.

Let me know if you have any other questions.

Anne Sheehan
-----Original Message-----
From: Lemay.Joe@epamail.epa.gov [mailto:Lemay.Joe@epamail.epa.gov]
Sent: Thursday, August 05, 2010 7:48 AM
To: 'Clayton Smith (csmith@demaximis.com)'; tcosgrave@harvardprojects.com
Cc: dsullivan@trcsolutions.com; Bridge, Jay; 'John H. Guswa Ph. D. LSP (jguswa@jgenvironmental.com)'; joseph.coyne@state.ma.us; Sheehan, Anne
Subject: Re: Well Integrity Testing Summary - Wells G&H Site

Please find the following questions/ comments in response to your Well Integrity Testing Summary.

Please provide a copy of the well logs for UC32-UC36.

Please provide detailed information about the hydraulic conductivity of the wells that did not recover 50% after several days.

Please provide asbuilt well depth, well depth observed during inspection, any sedimentation observed during inspection, and any other detailed information observed during well inspection. Please also provide any information regarding observed/ recorded turbidity and pH, and indications of biofouling or mineral deposits.

Considering the above requested information: Were the wells provided sufficient time to recover? Is there a need for additional surge blocking to further remove any sedimentation in the wells or treatments in the wells, and possibly make the wells usable again? We may want to discuss further.

After this initial round of groundwater sample collection, EPA may discuss with the parties the need for additional groundwater monitoring well installations and sampling.

Thanks!

Joe-

|------------>
| From: |
|------------>
>----------
----------|
|"Sheehan, Anne"
<Anne.Sheehan@geotransinc.com>

|
>----------
----------|
|---------->
| To: |
|---------->
>----------
----------|
|Joe
Lemay/R1/USEPA/US@EPA
|
>----------
----------|
|---------->
| Cc: |
|---------->
>----------
----------|
|"tcosgrave@harvardprojects.com" <tcosgrave@harvardprojects.com>, "'Clayton
Smith (csmith@demaximis.com)'" <csmith@demaximis.com>, |
|"Bridge, Jay" <Jay.Bridge@geotransinc.com>, "'John H. Guswa Ph. D. LSP
(jguswa@jgenvironmental.com)'" <jguswa@jgenvironmental.com>, |
|"dsullivan@trcsolutions.com" <dsullivan@trcsolutions.com>,
"joseph.coyne@state.ma.us" <joseph.coyne@state.ma.us> |
>----------
----------|
|---------->
| Date: |
|---------->
>----------
----------|
|07/16/2010 12:08
PM
|
>----------
----------|
|---------->
| Subject: |
|---------->
>----------
----------|
|Well Integrity Testing Summary - Wells G&H
Site
|
>----------
----------|

Attached is a letter summarizing the well integrity testing. Let me know if you have any questions.

Anne

Anne Benjamin Sheehan | Senior Hydrogeologist
Tel: 978.952.0120 ext. 109 | Fax: 978.952.0122 | Cell: 617.320.9874
anne.sheehan@geotransinc.com

GEOTRANS, INC. | A Tetra Tech Company
One Monarch Drive, Suite 101 | Littleton, MA 01460 | www.geotransinc.com

(See attached file: L07081130.pdf)
- Logs_Forms.pdf